

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Barry D. Silverstein, et al

DISPLAY WITH A WIRE GRID
POLARIZING BEAMSPLITTER

Serial No. To be Assigned

Filed Herewith

Group Art Unit: To be Assigned

Examiner: To be Assigned

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march 30, 2004
Date

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION
BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. A full text copy of each document is attached, except for copies of U.S. patents and U.S. patent application publications. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under §1.97(c), with fee, **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.

III. ☐ This Statement is being filed under §1.97(c), with a certification under, §1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

IV. ☐ This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):

☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



Nelson A. Blish/tmp
Telephone: 585-588-2720
Facsimile: 585-477-4646
Enclosures

Attorney for Applicants
Registration No. 29,134

FORM PTO-1449

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. Docket No.

83075BNAB

Customer No. 01333

Serial No.

To be Assigned

If AFTER the later date of the first Office Action
or 3 months from filing, use only with Rule 97(E)
Certificate or Fee

Applicant:

Barry D. Silverstein, et al

LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

Filing Date

Herewith

Group

To be Assigned

U.S. PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,441,791	4/10/84	Hornbeck			
	5,535,047	7/9/96	Hornbeck			
	5,600,383	2/4/97	Hornbeck			
	5,719,695	2/17/98	Heimbuch			
	5,914,818	6/22/99	Tejada et al.			
	5,930,050	7/27/99	Dewald			
	6,008,951	12/28/99	Anderson			
	6,089,717	7/18/00	Iwai			
	5,808,795	9/15/98	Shimomura et al.			
	5,798,819	8/25/98	Hattori et al.			
	5,918,961	7/6/99	Ueda			
	6,010,121	1/4/00	Lee			
	6,062,694	5/16/00	Oikawa et al.			
	5,652,667	7/29/97	Kurogane			
	5,767,827	6/16/98	Kobaysashi et al.			
	5,978,056	11/2/99	Shintani et al.			
	5,620,755	4/15/97	Smith, Jr. et al.			
	2,403,731	7/9/46	MacNeille			
	5,969,861	10/19/99	Ueda et al.			
	5,912,762	6/15/99	Li et al.			
	5,844,722	12/1/98	Stephens et al.			
	5,383,053	1/17/95	Hegg et al.			
	5,748,368	5/5/98	Tamada et al.			
	6,122,103	9/19/00	Perkins et al.			
	6,243,199 B1	6/5/01	Hansen et al.			
	6,288,840 B1	9/11/01	Perkins et al.			
	6,234,634 B1	5/22/01	Hansen et al.			
	4,701,028	10/20/87	Clerc et al.			
	5,039,185	8/13/91	Uchida et al.			
	5,298,199	3/29/94	Hirose et al.			
	6,081,312	6/27/00	Aminaka et al.			
	6,141,075	10/31/00	Ohmuro et al.			
	5,576,854	11/19/96	Schmidt et al.			
	5,619,352	4/8/97	Koch et al.			
	6,585,378	7/1/03	Kurtz et al.			
	5,196,953	3/23/93	Yeh et al.			
	5,548,427	8/20/96	May			

	5,499,126	5/12/96	Abileah et al.			
	6,496,287	12/17/02	Seiberle et al.			
	6,496,239	12/17/02	Seiberle et al.			
	4,974,941	12/4/90	Gibbons et al.			
	5,602,661	2/11/97	Schadt et al.			

FOREIGN PATENT DOCUMENTS

<i>Examiner Initial*</i>	<i>DOCUMENT NUMBER</i>	<i>DATE</i>	<i>COUNTRY</i>	<i>CLASS</i>	<i>SUBCLASS</i>	<i>TRANSLATION</i> YES NO
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	J. Chen, K. H. Kim, J. J. Jyu, and J. H. Souk; Optimum Film Compensation Modes for TN and VA LCDs; SID 98 Digest, pages 315-318.
	P. Yeh; Generalized Model for Wire Grid Polarizers; SPIE Vol. 307, 1981, pages 13-21.
	H. Kikuta, H. Yoshida, and K. Iwata; Ability and Limitation of Effective Medium Theory for Subwavelength Gratings; Optical Review, Vol. 2, No. 2 (1995), pages 92-99.
	J. J. Kuta, H. M. van Driel, D. Landheer, and Y. Feng; Coupled-Wave Analysis of Lamellar Metal Transmission Gratings for the Visible and the Infrared; Optical Society of America, Vol. 12, No. 5 (May 1995), pages 1118-1127.
	P. Lazarev and M. Paukshto; Low-Leakage Off-Angle in E-Polarizers; SID 2001 Digest, pages 101-105.
	T. Ishinabe, T. Miyashita, and T. Uchida; Novel Wide Viewing Angle Polarizer with High Achromaticity; SID 00 Digest, pages 1094-1097.
	S. Roosendaal, B. van der Zande, A. Nieuwkerk, C. Renders, J. Osenga, C. Doornkamp, E. Peeters, J. Bruinink, and J. van Haaren; Novel High Performance Transflective LCD with a Patterned Retarder; SID 03 Digest, pages 78-81.
	B. van der Zande, A. Nieuwkerk, M. van Deurzen, C. Renders, E. Peeters, and S. Roosendaal; Technologies Towards Patterned Optical Foils; SID 03 Digest, pages 194-197.
	H. Seiberle, C. Benecke, and T. Bachels; Photo-Aligned Anisotropic Optical Thin Films; SID 03 Digest, pages 1162-1165.
	Y. Iimura and S. Kobayashi; Prospects of the Photo-Alignment Technique for LCD Fabrication; SID Digest 1997; pp. 311-314.

<i>EXAMINER</i>	<i>DATE CONSIDERED</i>
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.